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Title

Phase II Field Sampling Plan for Targeted Brownfields Assessment: Rose and Walsh Smelter, San Juan County, Color  
Draft Human Health Risk Evaluation Technical Memorandum: Rose and Walsh Smelter Site, San Juan County, Color  
Analytical Results Report: Rose and Walsh Smelter, San Juan County, Colorado

ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic  
ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic  
CD: A. Schmidt Presentation ( Hydrological evaluation of plugging Dinero Tunnel to improve water quality; Analytic  
ESAT Environmental Protection Agency Region 8 Superfund Program - Analytical Data Package for Cement Creek - A  
ESAT Environmental Protection Agency Region 8 Superfund Program - Analytical Data Package for Cement Creek - A  
ESAT Environmental Protection Agency Region 8 Superfund Program - Analytical Data Package for Cement Creek - A  
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ESAT Region 8 Chain of Custody Form U.S. Environmental Protection Agency Region 8 Superfund Program - Analytic  
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ESAT Region 8 Chain of Custody Form U.S. Environmental Protection Agency Region 8 Superfund Program - Analytic  
Letter re: 01/23/13 Request for Information Pursuant to Section 104(e) of CERCLA Regarding the Upper Animas Mi  
Letter re: 01/23/13 Request for Information Pursuant to Section 104(e) of CERCLA Regarding the Upper Animas Mi  
Cover Letter re: Confidential Documents Produced in Response to Request for Information Pursuant to Section 104  
Letter re: Response to Requests for Information, Regarding: Kinross Gold Corp. is responding to the U.S. EPA's Janu  
Cover Letter re: Response to Requests for Information, Regarding: Copies of both Sunnyside Gold Corp. and Kinross  
Letter re: Response to Requests for Information, Regarding: Efforts to improve water quality and habitats in the An  
Region 8 START 3 Contract, TDD No. 1008-0013 - Mod Request for TDD Amendment - Redacted  
Email concerning Upper Animas Mining District TDD 1008-0013 Mod needed with attachment. E-mail and attachm

Redacted version of Email RE: Upper Animas new TDD

Region 8 START 3 Contract, Mod Request for TDD Amendment - Redacted

Email concerning TDD mod needed with attachment. Claimed CBI information in the attachment has been redacted  
Upper Animas Mining District TDD Mod Table - Redacted

Email concerning Upper Animas Mining District TDD Mod with attached table. Claimed CBI in attached table has be  
Upper Animas Mod Cost Sheet with Task detail - Redacted

Email Re: TDD status - Upper Animas Mod with Task detail attached. Claimed CBI information in Attachment has be  
Additional Tasks and Details Table Showing Specific Numbers. Claimed CBI Table has been Redacted - Cost for Unan

Email regarding Modifications of TDD for ARR with attached table showing specific numbers. Claimed CBI in attache

Redacted version of Region 8 START 3 Contract, Technical Direction Documents - Site Assessment (Task Order #001

Redacted version of EPA START 3, Technical Direction Documents - Site Assessment (Task Order #0014) TDD #TO-11

Redacted version of Handwritten notes re: the TDD status of UAMD/UCE w/attached START 3, TDDs - Site Assessm

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Redacted Version of 2012 Upper Cement Creek HRS TDD - Region 8 START 3 Contract No. EP-W-05-050 - Technical D  
Water Data Validated - DataValidation.accdb (Access database)

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Summary Scoresheets for Computing Projected HRS Score (Quickscore). May 4, 2011. 12 pages

Photograph - Red & Bonita Ferricrete Dead Zone DSC00208 06272005.JPG

Photograph - 13 American Tunnel CC19 WQ Sampling Site 09142010

Photograph - 62 ViewFromMogulTails 06032010.JPG

Cover Letter w/attached START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13, Revised Draft Repor

Quickscore Scoresheets and Narrative, June 21, 2011 - 7 pages, HRS Preliminary Score

Web Page: USGS Surface Water Data for Colorado - USGS Surface-Water Annual Statistics - Ref. 17

Chain of Custody Form: START EPA Contract No. EP-W-05-050, Case No. 40755 - ALS Laboratory Gourp - DATAc - Ba

Quick Reference Fact Sheet: Using Qualified Data to Document an Observed Release and Observed Contamination - O

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Transmittal Cover Sheet and First Page - START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-01 - Field

Transmittal Letter w/attached: Draft - START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1005-04 - Trip Re

Transmittal Letter w/attached: START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13 - Trip Report fo

Quadrangle Location Map - Silverton, CO. - Ref. 5

Quadrangle Location Map - Ironton, CO. - Ref. 4

Memorandum: Latitude and Longitude of Sample Point UASW006 Designated as the Center of the Upper Cement C

Superfund Chemical Data Matrix Methodology - Ref. 2

Geologic Framework: Chapter E1 of Integrated Investigations of Environmental Effects of Historical Mining in the A  
History of Mining and Milling Practices and Production in San Juan County, Colorado, 1871-1991 - Chapter C of Inte  
Generalized Geologic Map of Part of the Animas River Watershed and Vicinity, Silverton, Colorado

Integrated Investigations of Environmental Effects of Historical Mining in the Animas River Watershed - Vol 1 & 2

Final Analytical Results Report: START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13, Upper Animas

Final Analytical Results Report: START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13, Upper Animas

Final Analytical Results Report: START 3, EPA Region 8, Contract No. EP-W-05-050, Upper Animas Mining District - A

Field Sampling Plans: START 3, EPA Region 8, Contract No. EP-W-05-050 - Field Sampling Plan, Upper Animas Minin

Field Sampling Plans: START 3, EPA Region 8, Contract No. EP-W-05-050 - Field Sampling Plan, Upper Animas Minin

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Field Sampling Plans: START 3, EPA Region 8, Contract No. EP-W-05-050 - Field Sampling Plan, Upper Animas Minin

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Field Sampling Plans: Transmittal Letter - START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13 - Fie  
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Preliminary Draft: Cement Creek HRS - Highest Background Value Selected from Five Background Locations - Dissol  
Final: OSWER/OSRTI Upper Cement Creek - National Priorities List (NPL) - Narrative Summary  
Reviw Cover Sheet w/attached HRS Documentation Record  
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Cover Letter: START 3 EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13 - Trip Report - Revision 1, for Aug  
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USGS Surface Water Annual Statistics for Colorado (USGS 09359020 Animas River Below Silverton and USGS 09358  
Stream Classifications & Water Quality Standards (Internet publication)  
Metal & Nonmetal Mine Operator's Annual Report for the Year 1981 (Gold King Project; includes Inspector's Repor  
The Silverton Railroads, Gladstone Colorado (Internet article)  
Report of Structural Geologic Investigation Red & Bonita Mine San Juan County Colorado  
Generalized Geologic Map of Part of the Animas River Watershed & Vicinity, Silverton, Colorado  
Excerpts From Engineers Reports (Covering Years 1895 - 1923)  
Determination of Pre-Mining Geochemical Conditions & Paleoecology in the Animas River Watershed, Colorado; Op  
Threatened & Endangered List (Internet printout)  
Private Property for Wetlands (Delineation)  
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(Map/Diagram)  
Colorado Department of Natural Resources; Colorado Division of Wildlife; Contact Information (Internet printout)  
Upper Animas Watershed - Preliminary Assessment - PASI Sites - Correspondence Upper Animas Watershed- PA/SA  
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Upper Animas Watershed Preliminary Assessment - PASI Sites - PA/SI Watershed - Water Quality & Sources of Meg  
The Effects of Acidic Mine Drainage from Historical Mines in the Animas River Watershed, San Juan, CO - What is Be  
Analytical Results Upper Animas Rush Water 10/2010/DG-214 (Certificate of Analysis Laboratory Services Program;  
Fisheries, Wetland Info & Thoughts from the CSC Tech Assist Notes (Email)  
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Upper Animas Analytical Results Report (Appendix B: DMG Laboratory Data; Appendix C: Validated Analytical Data;  
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Site Inspection Draft Analytical Results Report; Cement Creek Watershed  
(List of contribution and contaminants)  
Consultation Report of the Division Engineer 09CW32, Edward & Clarice Renoux Ajax Lode Diversion Pipe (Absolute  
Rare Plants in Cement Creek Fens (Email; aerial photo attached)  
Cement Creek Reclamation Feasibility Report Upper Animas River Basin  
Reclamation Feasibility Report Animas River Below Eureka  
Data Gap Analysis Report for Targeted National Priority Listing Viability Revision 2; Upper Animas Mining District; S  
Mineral Creek Feasibility Investigations Report Upper Animas River Basin  
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START Draft Analytical Results Report Attachment: (Figures 2) Site Details Map

START Draft Analytical Results Report Attachment: (Figures 1) Site Location Map

Data Validation Report Inorganic

START Draft Analytical Results Report Attachment: (Table 7) - RPD Results

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Table A: Table 3 - Sediment Results

Table A: Table 2 - Surface Water Total Metals Analytical Summary

Photolog from Trip Report

START Draft Analytical Results Report Attachments: (Tables 2-4 and Appendices A (Trip Report and Photolog - 45 pa

Attachment 1 to CSC Technical Assistance Teleconference Meeting Notes START Analytical Results Report\Draft AR

START Final Analytical Results Report (ARR) - All Animas Validation

Water Data - Unvalidated - C101101 FINAL SCRIBE 12 Nov 10 1341.xls

Sediment Data Validated - MH35G5-with qualifiers.xls

Sediment Data Validated - MH35H7-with qualifiers.xls

Sediment Data Validated - MH35E5-with qualifiers.xls

Sediment Data Validated - MH36L0-with qualifiers.xls

Sediment PCB - Unvalidated H35G5.xls

Sediment PCB - Unvalidated H35H7.xls

Sediment PCB - Unvalidated H36L0.xls

Sediment PCB - Unvalidated H35E5.xls

Sediment Data- Unvalidated MH35E5.xls

Sediment Data- Unvalidated MH35G5.xls

Sediment Data- Unvalidated MH35H7.xls

Sediment Data - Unvalidated Sample Delivery Group MH36L0.xls

Technical Memorandum - Mass Loading Analysis of the Upper Animas River at Water Quality Station A72

START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13, Field Sampling Plan, Upper Animas Mining Dis

START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13, Analytical Results Report for Site Assesssmen

START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13, Addendum to the approved Field Sampling Pl

Map of Gladstone Area

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START 3 - Cement Creek Final Report: Wetland and Sensitive Habitat Finding Report, January 2012 w/CD

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Prioritization of Abandoned Mines in the Animas Watershed, Southwestern Colorado

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Upper Animas Mining District Area Overview Maps (2) May 2012 Sampling Event - Maps of the Upper Animas River

Final Screening-Level Ecological Risk Assessment Work Plan - Cement Creek and Animas River Mining District  
Letter re: CDPHE Comments on the November 2012 Draft Screening Level Ecological Risk Assessment for Upper An Evaluation of Certain Selected Conventional Treatment Methodologies - Cement Creek  
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ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic  
ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic  
ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic  
Complete Sample Delivery Group File (CSF) date CSF received 12/13/2010 - Upper Animas Mining District - Chain of Complete Sample Delivery Group File (CSF) date CSF received 12/13/2010 - Upper Animas Mining District - Chain of Complete Sample Delivery Group File (CSF) date CSF received 12/08/2010 - Upper Animas Mining District - Chain of Complete Sample Delivery Group File (CSF) date CSF received 12/16/2010 - Upper Animas Mining District - Chain of Complete Sample Delivery Group File (CSF) date CSF received 11/16/2010 - Upper Animas Mining District - Chain of Complete Sample Delivery Group File (CSF) date CSF received 11/16/2010 - Upper Animas Mining District - Chain of Complete Sample Delivery Group File (CSF) date CSF received 11/16/2010 - Upper Animas Mining District - Chain of Complete Sample Delivery Group File (CSF) date CSF received 11/16/2010 - Upper Animas Mining District - Chain of DRAFT Screening-Level Ecological Risk Assessment  
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Field Activity Report Mine Adit Entry  
CDPHE Quarterly Reports / FY 1998 w/attached comments and reviews from EPA  
Lertter re: Year End Report - Preliminary Assessment / Site Inspection Program FY 1994 -1995 w/attached quarterly  
Lertter re: Year End Report - Preliminary Assessment / Site Inspection Program FY 1996 w/attached quarterly repor  
EPA Response to CDPHE Quarterly Report 1997 w/attached report  
Complete Sample Delivery Group File (CSF) date CSF received 09/08/2011 - Chain of Custody, Upper Animas Mining  
Folder Contains 'Sampling & Analytical Data Files, EPA Golden Lab Data Package: Animas River 2009, Lab Service Re  
Folder Contains 'Sampling & Analytical Data Files, EPA Golden Lab Data Package: Animas River 2009, Lab Service Re  
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Animas River 2009 - 2010 Data Summary  
Basline Sampling and Analysis Plan for Upper Cement Creek Water Quality Characterization, dated April 8, 2009  
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Nonpoint Source Project Summary Generated from Grants Reporting and Tracking System  
Nonpoint Source Project Summary Generated from Grants Reporting and Tracking System  
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Project Summary Sheet "Anglo-Saxon / Porcupine Assessment and Characterization  
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Excel Spreadsheet Grant Numbers Table for Fiscal Year 1995, 1996, 1999, 2002, and 2005  
Third Semi-Annual Report Section 319 / Nonpoint Source Project "Anglo Saxon / Porcupine Mine Assessment and C  
Nonpoint Source Project Summary from Grant Reporting and Tracking System Grant #: 99818605  
Technical Memorandum for the Anglo-Saxon Mine Adit Openings for bulkhead Evaluation Revision 1  
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Memorandum Regarding NPDES Permits w/Attached Water Compliance Inspection Report & Photos CO-0000426 C

Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1011-001 (EPA R8 Lab & Paragon Analytic  
Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1009-001 (EPA R8 Lab & Paragon Analytic  
Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1009-034 (EPA R8 Lab & Paragon Analytic  
Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1007-01 (EPA R8 Lab & Paragon Analytic  
Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1006-01 (EPA R8 Lab & Paragon Analytic  
Chain of Custody Form Project Name Animas River / Cement Creek LSR#: Not Included (EPA R8 Lab & Paragon Anal  
Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1004001 (EPA R8 Lab & Paragon Analytic  
Chain of Custody Form Project Name Animas River / Cement Creek LSR#: Not Included (EPA R8 Lab & Paragon Anal  
Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1003-001Analysis Acidity, TSS, & TDS (EPA  
Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1002-001Analysis Acidity, TSS, & TDS (EPA  
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Chain of Custody Form LSR No. / Project Name Animas River R8090069 (EPA R8 Lab & Paragon Analytical)  
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Chain of Custody Form Analysis Acidity, TSS, & TDS (EPA R8 Lab & Paragon Analytical)  
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Analysis Acidity, TSS, & TDS (EPA R8 Lab & Paragon Analytical)  
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Discharge Table for 3" Parshall Flume Document: PAR3-D-T  
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Sabrina Forrest Field Working Notes  
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Email Regarding: Viability of Targeted Listing in Upper Animas Watershed w/Attached Metal Load Tables  
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Email Regarding Excel Spreasheets of EPA/BLM Collected Water Quality Data (Larry Perino's Comments)  
ASRG Bibliography of ARSG Reports and Videos in the Silverton Library  
Miscellaneous Handwritten Notes AMD Field Testing Facility and ARSG Document  
Email to EPA Staff Regarding Trip to Silverton and Area Issues Regarding Listing of Possible Solution  
William Schroeder Field Notebooks, Animas River, July 1998-September 2010 "Full"  
Final Report: Berkeley Pit Innovative Tech Proj: H.P.T. Research, Inc Demo: Mine Waste Technology Program Activit  
Canon City Company Information including handwritten notes and e-mail date 9-4-2009: STW information for EPA a  
Annual Report of the Acid Drainage Technology Initiative - Metal Mining Sector (ADTI-MMS) For Years 2001, 2002 &  
Report: Hydroxide Precipitation Systems w/attached Resources (Water treatment information from ORD, BLM, CIW  
Draft Quality Assurance Project Plan, Applied Research Project, Gladstone Rotating Cylinder Treatment System, Cem  
Review Comments Gladstone Draft SAP and QAPP; Refer 1703 (360) N; US DOI, BLM, National Operations Center (W  
Comments on QAPP and SAPP for Gladstone Demonstrationl w/attachments (Water treatment information from O  
Dissolved Metals samples report (Water treatment information from ORD, BLM, CIWT-RCTS, and other systems)  
Analyte samples report (Water treatment information from ORD, BLM, CIWT-RCTS, and other systems)

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Table 7: July 2005 Dissolved Metal Loading Calculations July 4 adits w/attachments (Water treatment information f  
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WTER Addendum Report Comments received w/marginalia and attached handwritten notes  
Oversized Preliminary Characterization of the Hydrology and Water Chemistry of the Sunnyside Mine and Vicinity w  
Mogul Samples w/Sample # and Reading #  
Memo re: Draft Reports Relating to Proposed Sunnyside Mine Closure  
SGC Scenarios  
Information download of Geochemistry: Exploration, Environment, and Analysis - The use of fluoride as a natural tr  
Removal Preliminary Assessment Report, Grand Mogul Mine, Silverton, CO w/attached handwritten notes on a Cal  
Faxed information re Water Quality, including sampling data w/marginalia  
Faxed information re locations of Red Bonita Mine, Silver Ledge Mine and Mogul Mine, including sampling data  
Data Gap Analysis Report for Targeted National Priority Listing Viability, Revision 2; Upper Animas Mining District, S  
Data Gap Analysis for Targeted National Priority Listing Viability: E-mail from START Contractor; Upper Animas data  
Data Gap Analysis for Targeted National Priority Listing Viability: Corres from START Contractor; Changes for the Up  
Data Gap Analysis for Targeted National Priority Listing Viability: E-mail from START Contractor; Upper Animas Min  
Data Gap Analysis for Targeted National Priority Listing Viability: E-mail from START Contractor  
HRS Preliminary Quickscore for Data Gap Analysis for the Cement Creek Upper Animas Mining District Site, Silvert  
Draft Analytical Results Report: Site Inspection Comprehensive Analytical Results Report, Cement Creek Watershed  
Sample Data Spreadsheet (Targeted Brownfields Assessment and related documentation from ARSG meetings, call  
Area Map of 4775-16, San Juan County w/marginalia  
Area Map of 4775-15, San Juan County  
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Area Map of 4775-09, San Juan County  
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Oversized map of Gold King Prospect, San Juan County, CO  
Faxed map from BLM including GM No. 13, GM No. 14, PFM and Anderson Leases  
Oversized Property Map, Gold King Prospect, San Juan County, CO  
Oversized map of Mining Claims, Gold King Mines Corp. San Juan County, CO  
Page 215 showing the boarding house at Gold King Mine  
Page 7 of the Silverton Standard highlighting a project site map showing Upper Gold King  
Color photograph of tailings: Gold King - Spring failure  
Color photograph of tailings: Gold King - Spring failure  
Sample data comparison to GK7 data, downstream of the Gold King 7th level adits (right hand side of page cut-off)  
Sampling and Analysis Plan for Segment 3a High Flow Characterization San Juan, CO w/ marginalia and editing com  
Sampling and Analysis Plan for Segment 3a High Flow Characterization San Juan County , CO includes maps  
Update to Sampling and analysis plan for AML characterization and monitoring San Juan County, CO w/ attached po  
Interim report on the scientific investigations in the Animas River watershed, Colorado to facilitate remediation dec  
Hydrologic and Water-Quality Data at Selected Sites in the Upper Animas River Watershed, Southwestern Colorado  
Colloid formation and metal transport through two mixing zones affected by acid mine drainage near Silverton, Col  
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The USGS Abandoned Mine Lands Initiative Protecting and Restoring the Environment Near Abandoned Mine Land  
Quantification and Simulation of Metal Loading to the Upper Animas River, Eureka to Silverton, San Juan County, C  
Science for Watershed Decisions on Abandoned Mine Lands: Review of Preliminary Results, Denver Colorado Febru

Animas River Biological Macroinvertebrate Investigation and Monitoring Project  
Quality Assurance Project Plan for Natural-Background Investigations in Selected Subbasins of the Upper Cement Creek  
Net Acid Production, Acid Neutralizing Capacity, and Associated Geophysical, Mineralogical, and Geochemical Characteristics  
U.S. EPA CLP Inorganic Analysis Data Sheet w/ marginalia  
Will Clements Study Summary - estimate the relative influence of water quality, substrate condition, and habitat characteristics  
Eureka Well Water compared to Eureka Surface Water  
Hand written notes re: Project QAPP Site Specific Sampling Plans, SOPs  
Water Sample Analysis Cement Creek Station CC-20, Mineral Creek, Animas River Stations A-72, A88  
Report: Using Water-Quality Profiles to Characterize Seasonal Water Quality and Loading in the Upper Animas River  
Monitoring Data - Table V-I Self-Monitoring Results for Outfall 004 (page is part of a report)  
July 2005 Sample results Metal Removal and Lime Requirement Calculations adjusting pH to 7 Additional Metals Recovery  
Case 1 Gladstone Water Treatment July 2005 Sampling Event American Tunnel, Silver Ledge, Red & Bonita, Upper Animas River  
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Data Chart 2 CC18 Flowrate and Metal Loading November 1994 to May 2002 w/ marginalia  
log book pages w/ contact information, sample information, data  
Report: Naturally Occurring and Mining-Affected Dissolved Metals in Two Subbasins of the Upper Animas River Basin  
Validated Data and Loading Calculations CC48 Data A72 Data  
Active and Semi-Passive Lime Treatment of Acid Mine Drainage at Leviathan Mine, California Innovative Technology  
Gladstone Water Treatment July 2005 Sampling Event Duplicate Sample Comparison  
Water Sample Analysis American Tunnel Discharge  
report: The Use of Mass-Loading Studies and Solute-Transport Modeling to Assist in the Development of TMDL's for  
report: Assessment of metal loads in watersheds affected by acid mine drainage by using tracer injection and synoptic sampling  
Gladstone Water Treatment Plant Brownfields TBA Selected Mine Adit and Cement Creek Dissolved Metal Data (a)  
American Tunnel, Red & Bonita, U. Gold King and Mogollon 2005 and 2006 Dissolved Metal Loading Calculations  
Gladstone Water Treatment Project Targets Brownfields Assessment Water Treatment Alternatives Conceptual Design  
Administrative Order/Consent Decree Close-Out Form w/ attached copy of Prospective Purchasers Agreement (Agreement)  
Animas River LSR R8070059 Data Pkg - Raw Data Vol 1:1  
Analytical Results - Animas River / R8070059; Narrative & Data Results included; Not through the CLP Program  
BLM/USFS ADIT DATA (MAPS & DRAWINGS ATTACHED)  
(LIST OF DATA BY THE ANIMAS RIVER STEAKHOLDERS GROUP) ARSG: CHRONIC, ALUMINUM, CADMIUM, COPPER, IRON  
(DATA) MINE DUMP PRIORITIZATION CEMENT CREEK (CEMENT CREEK STREAM SEGMENT PRIORITIZATION & DRAINAGE DRAFT: GEOPHYSICAL INVESTIGATIONS OF SELECTED STREAM SEGMENTS IN THE UPPER ANIMAS RIVER WATERSHED)  
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TABLE 4. MEAN CHEMICAL COMPOSITION OF INFLOW GROUPS, CEMENT CREEK, CO, SEP. 1996. THE GROUPS WERE  
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MEMORANDUM: TRACER TESTING IN FRACTURE FLOW SYSTEMS (MEMORANDUM TRANSMITS 3 COPIES OF PAPER)  
GEOLOGICAL SURVEY: USFS-AMLIP UPPER ANIMAS RIVER BASIN WATER ANALYSES COLLECTED JULY - OCT, 1995  
RECONNAISSANCE OF THE ANIMAS CANYON (AUGUST 16 -18, 1995) FINAL REPORT JANUARY 1996 (APPENDIX I DESCRIBES)  
ANIMAS RIVER STAKEHOLDERS GROUP MEETING OCTOBER 20, 1995 AMERICAN LEGION BUILDING, SILVERTON, COLORADO  
INTERAGENCY COMPARISON OF WATER QUALITY MEASUREMENTS AT SELECTED SITES IN THE UPPER ANIMAS BASIN  
WATER QUALITY DATA COLLECTED AT THE FOUR GAGES BY THE USGS AND BOR, 1994 - 1995  
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DEVELOPMENT AND APPLICATION OF A REACTIVE SOLUTE TRANSPORT MODEL FOR TRACE METALS IN MOUNTAIN S SAN JUAN RIVER BASIN, 09359020 ANIMAS RIVER BELOW SILVERTON, CO--CONTINUED, WATER-QUALITY RECORDS ENVIRONMENTAL SERVICES DIVISION, STANDARD OPERATING PROCEDURES FOR GROUNDWATER SAMPLING (DRA TABLE 1: GAIN AND LOSS OF METAL LOADS FOR SELECTED AREAS OF CEMENT CREEK, CO, (ALL VALUES IN PERCENT WATER QUALITY ASSESSMENT ANIMAS RIVER BASIN, FEBRUARY 02, 1990 (TABLES, FIGURES & BUGET SUMMARY IN BIOLOGICAL ASSESSMENT OF MAGGIE GULCH, APRIL 1988, SAN JUAN COUNTY, COLORADO (TABLES 1 - 2: MACROI PRELIMINARY DRAFT: MASS-LOAD PROFILES; WITH MARGINALIA

SEASONALITY OF PH IN CEMENT CREEK; DATA INCLUDED

MAPS: EPA GROUNDWATER STUDY AREAS A, B, & C; SURFACE DEPOSITS/TEST WELLS; NORTH ANIMAS RIVER VALLE

MAP: FIGURE 1 - SITE LOCATION MAP OF THE UPPER ANIMAS RIVER

CHEMICAL, PHYSICAL, & BIOLOGICAL STATUS OF THE ANIMAS RIVER & ITS TRIBUTARIES ABOVE ELK CREEK & SOURC

"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25007, SDG NUMBER: MHDS04; DATA INCLUDED)

"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25043, SDG NUMBER: HR66; DATA INCLUDED)

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"COMPLETE SAMPLE DELIVERY GROUP FILE (CSF) EVIDENCE AUDIT CHECKLIST" (RAS NUMBER: 25007, SDG NUMBE

"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25043, SDG NUMBER: MHDB46; DATA INCLUDED)

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"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25043, SDG NUMBER: MHDB26; DATA INCLUDED)

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"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25043, SDG NUMBER: MHDB25; DATA INCLUDED)

"COMPLETE SAMPLE DELIVERY GROUP FILE (CSF) EVIDENCE AUDIT CHECKLIST" (RAS NUMBER: 25043, SDG NUMBE

"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25007, SDG NUMBER: MHDB16; DATA INCLUDED)

"COMPLETE SAMPLE DELIVERY GROUP FILE (CSF) EVIDENCE AUDIT CHECKLIST" (RAS NUMBER: 25007, SDG NUMBE

"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25043, SDG NUMBER: MHDB01; DATA INCLUDED)

"COMPLETE SAMPLE DELIVERY GROUP FILE (CSF) EVIDENCE AUDIT CHECKLIST" (RAS NUMBER: 25043, SDG NUMBE

COMPREHENSIVE ANALYTICAL RESULTS REPORT CEMENT CREEK WATERSHED (CERCLIS ID #CO0001411347)

APPENDIX E: DRINKING WATER SAMPLING RESULTS - LETTERS TO HOMEOWNERS

NOTES REGARDING SILVERTON DW DATA.

GROUNDWATER/DRINKING WATER SAMPLES TAKEN IN THE UPPER ANIMAS RIVER BASIN

(LETTER TRANSMITTING A COPY OF THE LABORATORY OF DRINKING WATER)

(LETTER TRANSMITTING A COPY OF THE LABORATORY ANALYSIS OF THE LENORE LOAD DRAINING MINE)

(LETTER TRANSMITTING A COPY OF THE LABORATORY ANALYSIS OF WELL WATER)

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM

(LETTER TRANSMITTING A COPY OF THE LABORATORY ANALYSIS OF YOUR WELL WATER)

(LETTER TRANSMITTING A COPY OF THE LABORATORY ANALYSIS OF WELL WATER)

SILVERTON GROUNDWATER WELL SAMPLING - RESULT NOTIFICATION LETTERS (LETTERS ATTACHED)

HAZARDOUS MATERIAL AND WASTE MANAGEMENT DIVISION SITE INSPECTION SAMPLING ACTIVITIES REPORT, UP

(LETTER TRANSMITTING THE UPPER ANIMAS WATERSHED SAMPLING ACTIVITIES REPORT)

(FOR SAMPLES COLLECTED IN SEPTEMBER THE CLP LAB FAILED TO PERFORM MATRIX SPIKE/MATRIX SPIKE DUPLICA

MINERAL CREEK FEASIBILITY INVESTIGATIONS REPORT UPPER ANIMAS RIVER BASIN

REGION VIII SUMMARY OF DATA QUALITY ASSURANCE REVIEW, INORGANICS CASE NO. 25686, REPORT NO. MHDH

REGION VIII SUMMARY OF DATA QUALITY ASSURANCE REVIEW, INORGANIC - CASE NO. 25686, REPORT NO. MHDW  
REGION VIII SUMMARY OF DATA QUALITY ASSURANCE REVIEW, INORGANIC, CASE NO. 25686, REPORT NO. MHDW  
REGION VIII SUMMARY OF DATA QUALITY ASSURANCE REVIEW, INORGANIC CASE NO. 25686, REPORT NO. MHDX4  
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CEMENT CR. ARR (ANALYTICAL RESULTS REPORT) DATA TABLES  
(DOCUMENT INVENTORY - CASE NARRATIVE, REPORT OF ANALYSIS, QC SUMMARY, CROSS REFERENCE SHEET, SAM  
REQUEST FOR ROUTINE ANALYTICAL SERVICES  
DATA PACKAGE CASE NO. 25686, SDG NO. HS268  
DATA PACKAGE CASE NO. 25686, SDG NO. HS260 (WITH ONE (1) ATTACHMENT)  
DATA PACKAGE CASE NO. 25686, SDG NO. MHDK48  
DATA PACKAGE CASE NO. 25686, SDG NO. MHDW78  
DATA PACKAGE CASE NO. 25686, SDG NO. MHDW98  
DATA PACKAGE CASE NO. 25686, SDG NO. MHDX20  
DATA PACKAGE CASE NO. 25686, SDG NO. MHDX40  
SITE INSPECTION - SAMPLING AND ANALYSIS PLAN, UPPER ANIMAS WATERSHED - SILVERTON MINING DISTRICT, SA  
DATA VALIDATION REPORT FOR CASE NO. 25043, MHDB01 FOR THE CEMENT CREEK WATERSHED PROJECT  
TRANSMITTAL OF DATA VALIDATION REPORT FOR CASE 25007, SDG MHDB01 FOR THE CEMENT CREEK WATERSHED  
DATA VALIDATION REPORT FOR CASE NO. 25007, MHDBB16 FOR THE CEMENT CREEK WATERSHED PROJECT  
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DATA VALIDATION REPORT FOR CASE NO. 25043, MHDB46 FOR THE CEMENT CREEK WATERSHED PROJECT  
TRANSMITTAL OF DATA VALIDATION REPORT FOR CASE NO. 25007, SDG MHDB46 FOR THE CEMENT CREEK WATER

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al Results@ Upper Animas - Water & Seds - April & May 2014, TDF: A-034, WO: #C140406, & #C140508 - w/CD

al Results@ Cement Creek - TOX Initial 2 - November 2012, TDF: DG-322, WO: #C121107 & #C121108 - w/CD

parameters for Grand Mogul Mine Project Soil and Waste Rock; Site Assessment Work Plan, Mogul and Grand M  
75D Minisipper - dated August 2013; TDF: DG-383; LIMS: C130807

73 Minisipper - dated August 2013; TDF: DG-383; LIMS: C130806

72 Minisipper - dated August 2013; TDF: DG-383; LIMS: C130805

urface Water - dated August 2013; TDF: DG-383; LIMS: C130804

urface Water & Soils - dated May 2013; TDF: DG-363; LIMS: C130504

Tox Final - dated April 2013; TDF: DG-322; LIMS: C130411

Tox Initial - dated April 2013; TDF: DG-322; LIMS: C130410

Tox Final - dated January 2013; TDF: DG-322; LIMS: C130101

Tox Final 20 - dated November 2012; TDF: DG-322; LIMS: C121108

Tox Initial 20 - dated November 2012; TDF: DG-322; LIMS: C121107

urface Water & Seds - dated October 2012; TDF: DG-322; LIMS: C121012

Invertebrate - dated October 2012; TDF: DG-322; LIMS: C121106

Tox Water Final - dated October 2012; TDF: DG-322; LIMS: C121019

Tox Water Initial - dated October 2012; TDF: DG-322; LIMS: C121018

SAT - dated May 2012; TDF: DG-322; LIMS: C120508

al Data Package for Upper Animas / Cement Creek - A75D Minisipper August 2013; TDF: DG-383; Work Order #C13

al Data Package for Upper Animas / Cement Creek - A73 Minisipper August 2013; TDF: DG-383; Work Order #C1308

al Data Package for Upper Animas / Cement Creek - A72 Minisipper August 2013; TDF: DG-383; Work Order #C1308

al Data Package for Upper Animas / Cement Creek - Surface Water August 2013; TDF: DG-383; Work Order #C1308

al Data Package for Upper Animas / Cement Creek Site - Surface Water & Soils May 2013; TDF: DG-363; Work Orde

al Data Package for Upper Animas / Cement Creek Site - Tox Final April 2013; TDF: DG-322; Work Order #C130411; T

al Data Package for Upper Animas / Cement Creek Site - Tox Initial April 2013; TDF: DG-322; Work Order #C130410

al Data Package for Upper Animas / Cement Creek Site - Tox Final January 2013; TDF: DG-322; Work Order #C13010

al Data Package for Upper Animas / Cement Creek Site - Tox Initial December 2012; TDF: DG-322; Work Order #C12

al Data Package for Upper Animas / Cement Creek Site - Invertebrate October 2012; TDF: DG-322; Work Order #C1

al Data Package for Upper Animas / Cement Creek Site - Tox Final October 2012; TDF: DG-322; Work Order #C1210

al Data Package for Upper Animas / Cement Creek Site - Tox Initial October 2012; TDF: DG-322; Work Order #C1210

al Data Package for Upper Animas / Cement Creek - Surface Water & Seds Oct 2012; TDF: DG-322; Work Order #C1

al Data Package for Upper Animas / Cement Creek Site - ESAT May 2012; TDF: DG-322; Work Order #C120508; Tech

District w/attached Response by Washington Mining to the U.S. EPA's request for Information Pursuant to Sect

District w/attached Response by Mueller Industries, Inc. to the U.S. EPA's request for Information Pursuant to S

(p) PDF 59 CERCLA Regarding Upper Animas Mining District w/attached CD containg CBI documents

PDF 1032013 Request for Information pursuant to Section 104(e) of CERCLA, 42 U.S.C 9604(e) w/attached Certificat

PDF 1Corporation's Response to EPA's Request for Information dated 01/16/2013. (no/enclosures)

PDF 1River w/attached Certificate

PDF 1

PDF contained claimed CBI information that has been redacted.

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PDF TDD#TO-1008-13, Contract No. EP-W-05-050 w/attached Amendment #s B, C, D and E

PDF Contract No. EP-W-05-050 and Amendment #A - Increase Funding on the Project to Cover a Slight Overage

PDF (Task Order #0014) TDD #TO-1106-05, Contract No. EP-W-05-050, Amendment #A & Supporting Documents - ma

PDF Amendment #B, Contract No. EP-W-05-050 - Increase Funding and LOE

PDF Documentation (TDD), Completion date 12/31/2012

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PDF Historic Information

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PDF Revision 1 - for August 2011 Sampling and Field Activities, Upper Animas Mining District - Appendix A-C (Signed an

PDF 7

PDF 2

PDF #000001-000008, Ref. 16

PDF 18285.7-14FS - Bates #000001-000018, Ref. 15

PDF 7

Activities Report - Red and Bonita Mine Site - Table A, Bates #0001-#0002, Ref. 10 (no attachments)

PDF and Technical Summary - Mogul and Grand Mogul Mines - Tables A & B, Bates #001-003, Ref. 9

PDF August 2011 Sampling and Field Activities, Upper Animas Mining District - Ref. 7, Bates #000001-000089

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PDF Site - Ref. 3

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PDF Rio River Watershed, San Juan County, Colorado

PDF Investigations of Environmental Effects of Historical Mining in the Animas River Watershed

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PDF Mining District - Analytical Results Report (ARR) for Site Reassessment

PDF Mining District - Analytical Results Report (ARR) for Site Reassessment - Appendices A through D, Vol. 2

PDF Analytical Results Report (ARR) - (Signature Page Only)

PDF District - Redline w/Changes

PDF District - Redline w/Changes, version 2

PDF District - Redline w/Changes and Comments

PDF District - Redline w/Changes

~~b0~~ District - Updated Version w/Redline

~~b0~~ Sampling Plan, Upper Animas Mining District - (no attachment)

~~b0~~08 - Addendum to the Approved Field Sampling Plan-Supplemental Sampling, Upper Animas Mining District - (n

~~b0~~13 - Addendum to the Approved Field Sampling Plan-Supplemental Sampling, Upper Animas Mining District - ma

~~b0~~District - (Signature Page w/o Signatures)

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~~b0~~Field Sampling Plan, Upper Animas Mining District - (no attachments)

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~~b0~~Upper Animas Mining District, dated October 21, 2010 (no attachments)

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~~b0~~pend~~b0~~C through D, Ref. 06e, Bates No. 000449 through 000555

~~b0~~0611Bates No. 000331 through 000448

~~b0~~0613Bates No. 000201 through 000330

~~b0~~0612Appendices A through B, Bates No. 000080 through 000200

~~b0~~0629Bates No. 000001 through 000079 - (Signed)

~~b0~~Final Summary - Mogul and Grand Mogul Mines (w/o attachments) - unsigned

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~~b0~~Metals - ug/L (ppb)

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~~b0~~f41 August 2011 Sampling and Field Activities - Upper Animas Mining District - Approved 12/07/2011

~~b0~~2011 Sampling and Field Activities - Upper Animas Mining District - Approved 12/07/2011 (w/o attachments)

~~b0~~ining District / Upper Cement Creek - HRS Quickscore 3.0.3 and Scoring Narrative - Site Reassessment

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~~b0~~ining District - HRS Quickscore 3.0.3 and Scoring Narrative w/Comments - marginalia

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~~b0~~1008-13 - Trip Report, Upper Animas Mining District - (approved by Sabrina Forrest on 01/18/2011)

~~b0~~50,TDD No. 1008-13 - Trip Report, Upper Animas Mining District and Comments - marginalia

~~b0~~1008-13 - Analytical Results Report, Upper Animas Mining District (w/o attachments)

~~b0~~Micrograms Per Liter (mcg/l) Parts Per Billion (ppb)

~~b0~~Scope - Site Reassessment Preliminary Quick Score

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~~Animas~~ Mining District, TDD No. 1008-13 (w/o attachments)

~~PDF~~ Arsenic, Cadmium, Manganese & Zinc

~~PDF~~ Results - Arsenic, Cadmium, Manganese & Zinc

~~PDF~~ Water Results - Arsenic, Cadmium, Manganese & Zinc

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~~PDF~~ Cement Creek at Silverton; Internet publication)

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~~PDF~~ File Report 99-0038

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~~Report~~ 12 Report - Upper Animas River Basin

~~PDF~~ Loading to the Upper Animas River Basin

~~PDF~~ Done & What Can Be Done to Improve Water Quality? (The Geological Society of America Reviews in Engineering)

~~PDF~~ URS Operating Services Inc. Data Validation Reports and transmittal letter)

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~~Appendix~~ D: Silverton Drinkingwater Results) (Preliminary Assessment - PASI Sites - PA/SI Watershed)

~~PDF~~ 15 Animas River Basin

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~~Surface~~ Water Right; Certificate of Mailing attached)

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~~PART~~ 1 Contract #EP-W-05-050, TDD #0812-01 (Transmittal letter attached)

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~~Bl~~ Analytical Results Report for Site Reassessment (ARR Text plus Table 1)

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~~PDF~~ San Juan County, Colorado

~~PDF~~ Appendices A through D, Upper Animas Mining District, Silverton, San Juan County, Colorado

~~PDF~~ Supplemental Sampling Upper Animas Mining District, Silverton, San Juan County, Colorado

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~~ABF 3~~, TDD No. 0812-01

~~PDF~~ Locations & Elevated Metal Concentrations Map, UOS - START 3, TDD No. 1008-13

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al Resultsq Upper Animas - Waters - October 2010, TDF: DG-216 , LIMS: C101101

al Resultsq Upper Animas - Rush Water - October 2010, TDF: DG-214, LIMS: C101004

al Resultsq Upper Animas - Rush SED - October 2010, TDF: DG-214, LIMS: C101003

Custody Case #40755, SDG #MH36L0, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data

Custody Case #40755, SDG #MH35H7, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data

Custody Case #40755, SDG #MH35G5, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data

Custody Case #40755, SDG #MH35E5, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data

Custody Case #40755, SDG #H36L0, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data Pa

Custody Case #40755, SDG #H35H7, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data P

Custody Case #40755, SDG #H35G5, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data P

Custody Case #40755, SDG #H35E5, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data P

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~~PDF Removal Site Assessment for Mogul and Grand Mogul Mine Dumps~~

~~PDF Red Bonita Mine, Silverton, San Juan County~~

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District - Case #41730, SDG #MH30H7, Lab Name: Sentinel, Inc. - Contract Laboratory Program (CLP), Data Package

quest (LSR) R8090063 (Amended report) Includes 07/22/09 signed transmittal letter, folder dated 05/26/09)

quest (LSR) R8090063 (Includes 10/22/09 signed transmittal letter)

quest (LSR) R8090066 (Includes 07/17/09 signed transmittal letter, folder dated 06/19/09)

quest (LSR) R8090066 (Includes 10/23/09 signed transmittal letter)

quest (LSR) R8090067 (Includes 08/19/09 signed transmittal letter, folder dated 07/20/09)

quest (LSR) R8090067 (Includes 10/26/09 signed transmittal letter)

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quest (LSR) R8090069

quest (LSR) R8090069 (Includes 02/01/10 signed transmittal letter)

quest (LSR) R8090070 (Includes 02/05/10 signed transmittal letter, folder dated 11/20/09)

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PDF Project 7 w/attached CD (Water treatment information from ORD, BLM, CIWT-RCTS, and other systems)  
PDF ARSG (Water treatment information from ORD, BLM, CIWT-RCTS, and other systems)  
PDF 32 Water treatment information from ORD, BLM, CIWT-RCTS, and other systems)  
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PDF 53ek and Supper Gold King Mine, Gladstone, San Juan County, CO (Water treatment information from ORD, BL  
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~~Attached Water Data Summaries~~

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~~PDF San Juan County, CO CERCLIS ID CO0001411347; TDD No. 0812-01~~

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~~PDF by the U.S. Bureau of Land Management and the U.S. Forest Service, March 29, 2000 meeting, Denver, CO~~

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~~PDF C54 Program Animas River Targeting Continuation Project Lower Animas Watershed~~

~~PDF Control Division of the CDPHE w/ attachments~~

~~PDF 3~~

~~PDF a20, September 1997 and August 1998~~

~~PDF 474, 1998~~



PERMITS (FIGURES 1 - 6: MAPS & DRAWINGS ATTACHED)

PERIOD OF RECORD.--CHEMICAL ANALYSES: OCT. 1993 TO CURRENT YEAR. WATER QUALITY DATA, WATER YEAR O

PDF 534 STANDARD OPERATING PROCEDURE FOR WELL DEVELOPMENT/ HOLLOW STEM AUGER WELL CONSTRUCTION

PDF 534 THE TOTAL LOAD, UNLESS INDICATED: MILLIGRAMS PER SECOND MG/S) (TABLE 2: CEMENT CREEK ADITS - DISS

PDF 534)

MAMMAL DATA FORM COLORADO DIVISION OF WILDLIFE, TABLE 3: WATER CHEMISTRY DATA MAGGIE GULCH

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MENDATIONS & DRAWINGS ATTACHED) MARGINALIA)

EMENT CREEK, CO, 09/1994 ATTACHED)

CT. 1994 TO SEPT. 1995

/ AMBIENT AIR /FIELD SAMPLING, APPENDICES, EXIBITS & TABLES ATTACHED)

OLVED HIGH FLOW (H) / LOW FLOW (L) LOADS 1, ATTACHED)

& REFFERENCES ATTACHED)